

CLAIMS

What is claimed is:

1           1-23. (Cancelled)

1           24. (Currently Amended)   A fiber optic module  
2 comprising:

3           a nose receptacle including

4                     a fiber optic cable receptacle to receive one  
5                     or more fiber optic cable plugs,

6                     a lever-actuator to release the fiber optic  
7                     module from a cage assembly using a rotational  
8                     action;

9                     a second actuator coupled to the lever-  
10                    actuator, the second actuator to release a keeper  
11                    from a latch to release the fiber optic module in  
12                    response to a rotational action on the lever-  
13                    actuator;

14           and

15                    a printed circuit board including one or more  
16                    electro-optic transducers to convert optical signals into  
17                    electrical signals or electrical signals into optical signals.

1           25. (Original) The fiber optic module of claim 24  
2 wherein,

3           the fiber optic module is a small form pluggable (SFP)  
4 fiber optic module and the cage assembly is a small form  
5 pluggable (SFP) cage assembly.

1           26. (Original) The fiber optic module of claim 24 further  
2 comprising:

3           a housing to couple to the nose receptacle and cover the  
4 printed circuit board.

1           27. (Original) The fiber optic module of claim 26  
2 wherein,

3           the housing is shielded to protect the printed circuit  
4 board from electromagnetic interference.

1           28. (Original) The fiber optic module of claim 24  
2 wherein,

3           the lever-actuator includes one or more pins to  
4 rotationally engage the nose receptacle.

1           29. (Original) The fiber optic module of claim 24  
2 wherein,

3           the lever-actuator includes one or more holes to  
4 rotationally engage the nose receptacle.

1           30. (Original) The fiber optic module of claim 24  
2 wherein,

3           the second-actuator slides to release the fiber optic  
4 module from the cage assembly.

1           31. (Original) The fiber optic module of claim 24  
2 wherein,

3           the second-actuator includes

4       grooves to slideably couple the second-actuator to the  
5 nose receptacle.

1       32. (Original) The fiber optic module of claim 24  
2 wherein,  
3       the second-actuator includes  
4       rails to slideably coupled the second-actuator to the  
5 nose receptacle.

1       33. (Original) The fiber optic module of claim 24  
2 wherein,  
3       the lever-actuator includes  
4       an orientation indicator to indicate the fiber optic  
5 module which the lever-actuator releases.

1       34. (Original) The fiber optic module of claim 24  
2 wherein,  
3       the lever-actuator includes  
4       a pull-arm.

1       35. (Currently Amended) The fiber optic module of claim  
2 34 wherein,  
3       the pull-arm is a semi-circular ring.

1       36. (Currently Amended) The fiber optic module of claim  
2 34 wherein,  
3       the pull-arm is a rectangular ring.

1       37. (Currently Amended) The fiber optic module of claim

2 34 wherein,  
3 the pull-arm is a tab.

1 38-54. (Cancelled)

1 55. (Original) A fiber optic module comprising:  
2 means for converting optical signals into electrical  
3 signals or electrical signals into optical signals; and  
4 means for disengaging the fiber optic module from a cage  
5 assembly by rotating a lever-actuator.

1 56. (Original) The fiber optic module of claim 55 further  
2 comprising:  
3 means for withdrawing the fiber optic module by pulling  
4 on the lever-actuator.

1 57. (Original) The fiber optic module of claim 56 wherein  
2 the means for disengaging also provides a means for  
3 withdrawing.

1 58. (Original) The fiber optic module of claim 55 further  
2 comprising:  
3 means for pivotally disengaging the fiber optic module  
4 from a cage assembly when the lever-actuator is rotated.

1 59. (Original) The fiber optic module of claim 55 further  
2 comprising:  
3 means for coupling the disengaging means to the fiber  
4 optic module.

1           60. (Original) The fiber optic module of claim 55 further  
2 comprising:

3           means for indicating the fiber optic module which the  
4 disengaging means releases.

1           61. (Original) A method for disengaging and withdrawing a  
2 fiber optic module from a cage assembly comprising:

3           rotating a lever-actuator to disengage the fiber optic  
4 module from the cage assembly; and

5           pulling on the lever-actuator to withdraw the fiber optic  
6 module from the cage assembly.

1           62. (Original) The method of claim 61 further comprising:

2           releasing the lever-actuator if the fiber optic module  
3 has been released from the cage assembly.

1           63-93. (Cancelled)